

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 103173.04		Divisional Application of U.S. Application No. 10/119,702	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Keiji OSAWA			
				FILING DATE Herewith		GROUP 2872	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
RDS		3,438,692	04/1969	TABOR			
RDS		3,588,224	06/1971	PRITCHARD			
RDS		4,100,570	07/1978	NOBUTOKI et al.			
RDS		4,227,208	10/1980	TAKANASHI et al.			
RDS		4,575,193	03/1986	GREIVENKAMP, JR.			
RDS		4,587,553	05/1986	WATANABE et al.			
RDS		4,626,897	12/1986	SATO et al.			
RDS		5,237,446	08/1993	TAKAHASHI			
RDS		5,434,709	07/1995	YAMADA et al.			
RDS		5,471,343	11/1995	TAKASUGI			
RDS		5,477,381	12/1995	SASAKI et al.			
RDS		5,781,236	07/1998	SHINBORI et al.			
RDS		5,894,357	04/1999	MURAKAMI			
RDS		4,539,584	09/1985	OTAKE			
RDS		4,605,956	08/1986	COK			
RDS		4,624,563	11/1986	JOHNSON			
RDS		4,761,682	08/1988	ASAIOA			
RDS		4,805,028	02/1989	NISHIOKA et al.			
RDS		4,977,450	12/1990	YOKOTA			
RDS		4,988,171	01/1991	YOKOTA			
RDS		5,069,530	12/1991	NISHIDA et al.			
RDS		5,249,041	09/1993	SHIRAISHI			

EXAMINER <div style="text-align: center; font-size: 1.2em;">RDS</div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.2em;">12/10/2004</div>
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

PNJ	5,452,129	09/1995	SHIRAISHI		
PNJ	5,715,085	02/1998	TAKATORI et al.		
PNJ	5,739,855	04/1998	CENTEN et al.		
PNJ	5,940,127	08/1999	NAKAJIMA		
PNJ	5,280,347	01/1994	SHIRAISHI et al.		
PNJ	5,247,389	9-1993	Beausoler		
PNJ	5,579,420	11-1996	Fukushima		
PNJ	5,963,291	10-1999	Wu et al.		
PNJ	6,081,346	6-2000	Teratima et al.		
PNJ	6,327,085	12-2001	Osawa et al.		
PNJ	6,392,803	5-2002	Osawa		
FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
PNJ	JP-B2-6-20316	03/1994	Japan		
PNJ	JP-10-54960	02/1998	Japan		
PNJ	JP-62-284-330 (w/English-language Abstract)	12/1987	Japan		
PNJ	JPS60-164719	8-1985	Japan (w/Abstract & Concise Explan.)		
PNJ	9-211222	8-1997	Japan		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)					
EXAMINER	PNJ slf			DATE CONSIDERED 12/10/2004	
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Date: September 3, 2003